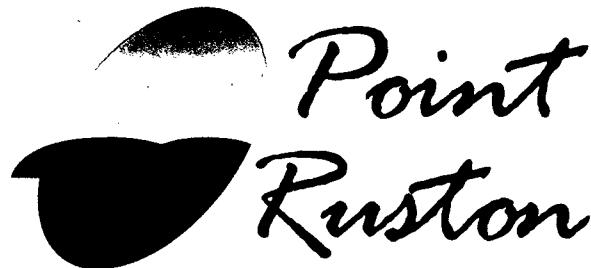


ASPSF
20.2.4.4
v3

RECEIVED

JUN 17 2010

Environmental
Cleanup Office



5129 N. Shirley St. Suite 100, Ruston, WA 98407

June 15, 2010

Mr. Kevin L. Rochlin
Remedial Project Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, ECL-111
Seattle, WA 98101

RE: Monthly Report: No. 168, May 2010
Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. Point Ruston will continue to provide monthly reports to EPA for the site organized in the same manner as previous reports prepared by Asarco to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 218.

Sincerely,



Gary Pedersen
Chief Operations Manager

Attachment (2 copies)

cc: Chung Ki Yee - Washington Department of Ecology
Evan Griffiths - CH2MHill (2 copies)
Leslie Ann Rose - Citizens for a Healthy Bay

USEPA SF



1382174

Monthly Report 168, May 2010
Operable Unit 02
Asarco Tacoma Smelter Site

A. Actions taken to achieve compliance with the Consent Decree during the previous month.

1. Met with EPA on May 14th and 28th
2. Continued weekly site-inspection reports (see attached).
3. Maintained clean work area and road.
4. Remedial Action activities continued.
5. Training activities include the following:
 - Site specific Safety Orientation (Clean Zone) was held for personnel of the following companies:
 - i. (1) City of Tacoma worker
 - ii. (1) Furgeson worker
 - iii. (26) University of Washington students/teachers
 - Site Specific Safety Orientation (Exclusion Zone) was held for personnel of the following companies:
 - i. (1) Diamond Concrete worker
 - HAZWOPER 40-hr training was held for personnel of the following companies:
 - i. None held
 - HAZWOPER annual refresher was held for personnel of the following companies:
 - i. (1) Rocky Kohl Excavating worker

B. Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Outfall activities including the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003 which Point Ruston will continue to implement: weekly composite samples will be collected from May-October, and in December, February, and April.

Monthly Report 168, May 2010
Operable Unit 02
Asarco Tacoma Smelter Site

In addition to the North and South Outfalls, Point Ruston resumed monitoring of an existing, upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Samples were collected by Point Ruston on May 10th, 17th, 24th, and 31st.

2. Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. LCRS and LDCRS volumes are monitored weekly in accordance with the draft OCF OMMP. LCRS volumes currently average approximately 117 gallons per day on the LCRS (see attached correspondence and data). The leachate was sampled on May 5th (5.8ppm). Shipment pending
3. Point Ruston performs perimeter air monitoring at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), South Gate. Results for samples collected during May are attached. There were no exceedances. Monitoring was not conducted on the following dates:
May 3rd, 4th, and 5th, 2010
May 18th, 19th and 20th, 2010
Week of May 24th-28th, 2010
May 31st, 2010
4. Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1)(a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Results from samples collected on April 14th are attached. There were no exceedances.

C. *Work Plans and other deliverables completed and submitted during the previous month.*

1. Plans and Documents included the following:
 - Point Ruston continued to receive City of Tacoma/Town of Ruston comments on the LID project for the work associated with the Master Infrastructure CMP.
2. Remedial Action included the following tasks:
 - OCF construction activities:
 - Maintained leachate collection system.
 - Stack Hill construction activities:
 - Maintained erosion and surface water controls; specifically on Commercial Street cul-de-sac area.

Monthly Report 168, May 2010
Operable Unit 02
Asarco Tacoma Smelter Site

- Maintained site perimeter fence and signage at the north end of Stack Hill.
- Site-wide remediation/redevelopment activities:
 - Continued surface water controls
 - Maintained onsite haul roads and stockpiles
 - Maintained erosion and surface water controls
 - Received asphalt grindings on April 17 from the City of Tacoma to be used for the on-site clean haul roads.

D. Actions scheduled for the next six weeks.

1. Continue construction of public infrastructure
2. Obtain final approval from the Town of Ruston and the City of Tacoma for the Master Infrastructure/LID project
3. Address EPA comments received on the Phase I CMP
4. Address comments Point Ruston CC&Rs (submitted on 3/5/2010)
5. The following Remedial Action tasks are planned to continue:
RA Monitoring:
 - a. Outfall sampling (weekly composite samples) during scheduled months
 - b. Air monitoring during remedial action activities**OCF OMMP activities:**
 - a. Continue collection of leachate for offsite disposal
 - b. Continue monitoring of leachate volumes**Stack Hill construction activities:**
 - a. Erosion controls and site maintenance
 - b. Continue home construction
 - c. Begin face cap installation**Site-wide construction activities:**
 - a. Continue surface water controls
 - b. Maintain roads and stockpiles onsite
 - c. Maintain erosion controls
 - d. Construction activities for mass grading and Master Infrastructure

E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

1. Point Ruston is continuing to work with the City of Tacoma & Town of Ruston to secure permits associated with the Master Infrastructure CMP and Phase I CMP.

Monthly Report 168, May 2010
Operable Unit 02
Asarco Tacoma Smelter Site

2. Point Ruston is coordinating with BNSF to secure a quit claim deed for the area adjacent to Ruston Way

F. Modifications to work plans or schedules proposed to or approved by EPA.

1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
2. Point Ruston submitted a Request for Schedule Modification to Attachment 1 of the Final Statement of Work on February 9, 2010 and has been in continuing discussions with EPA over the proposed schedule modification.

G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

1. Point Ruston is working with the Town of Ruston and City of Tacoma on development plans, which incorporate remediation components for the site.
2. Point Ruston is working with MetroParks to incorporate the capping component into the Peninsula Park design. A Memorandum of Agreement to collaborate with Point Ruston, LLC on the design and remediation plan for Breakwater Peninsula was approved by the Board of Commissioners on January 25th. Point Ruston met with members of the Peninsula Park Joint Planning group in April and did so again in May.
3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and MetroParks to address operation, maintenance, and monitoring issues at the site.

*Point
Ruston*

Weekly Site Inspection Report No. 2010-0502
 Week of 5/2 - 8, 2010 Inspector Tim RUSHER
 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates: 51 st	(G)	F	P Y (N)	
North (electric)	(G)	F	P Y (N)	
South (electric)	(G)	F	P Y (N)	Adjust + GREASE Soon
Pond	(G)	F	P Y (N)	
Peninsula	(G)	F	P Y (N)	
54 th (Other) <i>elect.</i>	(G)	F	P Y (N)	<i>GREASE Soon</i>
Signage:				
Gates	(G)	F	P Y (N)	
Perimeter	(G)	F	P Y (N)	
Safety	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
Public Streets:				
Ruston Way	(G)	F	P Y (N)	
51 st & Gallagher	(G)	F	P Y (N)	
Stack Hill	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
BMPs:				
Berms	(G)	F	P Y (N)	
Waddles	(G)	F	P Y (N)	
Silt Fence	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
Strom drains clean:				
Lower Site	(G)	F	P Y (N)	
Stack Hill	(G)	F	P Y (N)	
Stockpiles:				
Envirotac II	(G)	F	P Y (N)	
Plastic	(G)	F	P Y (N)	
Packed	(G)	F	P Y (N)	
Grass	(G)	F	P Y (N)	GRASS (COVERED) PILE IS NOW GONE
Dust:				
Traffic areas	(G)	F	P Y (N)	
Excavation area	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
Fencing:				
Site Perimeter	(G)	F	P Y (N)	
Zone Separation	(G)	F	P Y (N)	
(Other)	G	F	P Y N	

Weekly Site Inspection Report No. 2010-0502
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks:					
Barriers	(G)	F	P	Y	(N)
Signs	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
Cameras:					
STACK HILL	(G)	F	P	Y	(N)
LOWER SITE	G	F	(P)	(Y)	N
	G	F	P	Y	N
Health & Safety Plans:					U.5 Under Review
Site Superintendent	(G)	F	P	Y	(N)
Construction Super.	(G)	F	P	Y	(N)
Other	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

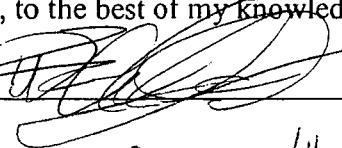
Misc. notes:

WEATHER:

Day of Week	Low / HIGH	Summary of Weather Conditions
Sunday 5/2	46/51	SSW WIND 8 MPH/GUST 10 MPH, PRECIP. LATE EVE 0.25"
Monday 3	41/55	SW WIND 17 MPH/GUST 23 MPH, PRECIP. EARLY MORN. 0.25"
Tuesday 4	39/56	SW WIND 7 MPH/GUST 10 MPH, NO PRECIPITATION
Wednesday 5	41/56	NNE WIND 4 MPH/GUST 5 MPH, NO PRECIPITATION
Thursday 6	42/60	SW WIND 5 MPH/GUST 6 MPH, NO PRECIPITATION
Friday 7	44/63	NE WIND 5 MPH/GUST 8 MPH, NO PRECIPITATION
Saturday 8	41/65	NNE WIND 5 MPH/GUST 5 MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 5/10/10

SIGNED: 

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH + SAFETY OFCZ

Point
Ruston

Weekly Site Inspection Report No. 2010 - 0509
 Week of 5/9 - 15, 2010 Inspector Tim RUSHMORE
 Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates: 51st				
North (electric)	(G)	F	P Y (N)	
South (electric)	(G)	F	P Y (N)	
Pond	(G)	F	P Y (N)	
Peninsula	(G)	F	P Y (N)	
54th (Other) 51st	(G)	F	P Y (N)	
Signage:				
Gates	(G)	F	P Y (N)	
Perimeter	(G)	F	P Y (N)	
Safety	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
Public Streets:				
Ruston Way	(G)	F	P Y (N)	
51st & Gallagher	(G)	F	P Y (N)	
Stack Hill	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
BMPs:				
Berms	(G)	F	P Y (N)	
Waddles	(G)	F	P Y (N)	
Silt Fence	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
Strom drains clean:				
Lower Site	(G)	F	P Y (N)	
Stack Hill	(G)	F	P Y (N)	
Stockpiles:				
Envirotac II	(G)	F	P Y (N)	
Plastic	(G)	F	P Y (N)	
Packed	(G)	F	P Y (N)	
Grass	G	F	P Y N	
Dust:				
Traffic areas	(G)	F	P Y (N)	
Excavation area	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
Fencing:				
Site Perimeter	(G)	F	P Y (N)	
Zone Separation	(G)	F	P Y (N)	
(Other)	G	F	P Y N	

Weekly Site Inspection Report No. 2010-0509
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks:				
Barriers	(G)	F	P	Y (N)
Signs	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
Cameras:				
<u>Stack Area</u>	(G)	F	P	Y (N)
<u>Lower Site</u>	G	F	(P) (Y)	N
	G	F	P	Y N
Health & Safety Plans:				
Site Superintendent	(G)	F	P	Y (N)
Construction Super.	(G)	F	P	Y (N)
Other	G	F	P	Y N
				V.S Under Review

G=Good F=Fair P=Poor Y=Yes N=No

Misc. notes:

WEATHER:

Day of Week	Low / HIGH	Summary of Weather Conditions
Sunday	9	41/70 SW WIND 5 MPH/GUST 7 MPH, NO PRECIPITATION
Monday	10	46/58 NW WIND 5 MPH/GUST 6 MPH, PRECIP. MORN. 0.16"
Tuesday	11	45/65 SW WIND 7 MPH/GUST 8 MPH, NO PRECIPITATION
Wednesday	12	47/65 NE WIND 4 MPH/GUST 5 MPH, NO PRECIPITATION
Thursday	13	45/70 NNE WIND 4 MPH/GUST 5 MPH, NO PRECIPITATION
Friday	14	47/71 NNE WIND 4 MPH/GUST 5 MPH, NO PRECIPITATION
Saturday	15	48/74 SW WIND 5 MPH/GUST 6 MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 5/17/18

SIGNED:

Title/Qualification of Inspector: Construction Oversight / Health & Safety Officer

*Point
Ruston*

Weekly Site Inspection Report No. 2010 - 0516
 Week of 5/16 - 22, 2010 Inspector Tim RUSHER
 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates: 51 st St. North (electric) South (electric) Pond Peninsula 54 th (Other) elect.	(G)	F	P Y (N)	
	(G)	F	P Y (N)	
	(G)	F	P Y (N)	
	(G)	F	P Y (N)	
	(G)	F	P Y (N)	
	(G)	F	P Y (N)	
Signage:				
Gates	(G)	F	P Y (N)	
Perimeter	(G)	F	P Y (N)	
Safety	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
Public Streets:				
Ruston Way	(G)	F	P Y (N)	
51 st & Gallagher	(G)	F	P Y (N)	
Stack Hill	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
BMPs:				
Berms	(G)	F	P Y (N)	
Waddles	(G)	F	P Y (N)	
Silt Fence	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
Strom drains clean:				
Lower Site	(G)	F	P Y (N)	
Stack Hill	(G)	F	P Y (N)	
Stockpiles:				
Envirotac II	(G)	F	P Y (N)	
Plastic	(G)	F	P Y (N)	
Packed	(G)	F	P Y (N)	
Grass	G	F	P Y N	
Dust:				
Traffic areas	(G)	F	P Y (N)	
Excavation area	(G)	F	P Y (N)	
(Other)	G	F	P Y N	
Fencing:				
Site Perimeter	(G)	F	P Y (N)	
Zone Separation	(G)	F	P Y (N)	
(Other)	G	F	P Y N	

Weekly Site Inspection Report No. 2010-0516
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS	
Docks: Barriers Signs (Other)	(G)	F	P	Y	(N)
	(G)	F	P	Y	(N)
	G	F	P	Y	N
Cameras: <u>STACK HILL</u> <u>LOWER SITE</u>	(G)	F	P	Y	(N)
	G	F	(P)	(Y)	N
	G	F	P	Y	N
Health & Safety Plans: Site Superintendent Construction Super. Other					V.S SUBMITTED FOR REVIEW
	G	F	P	Y	N
	G	F	P	Y	N
	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

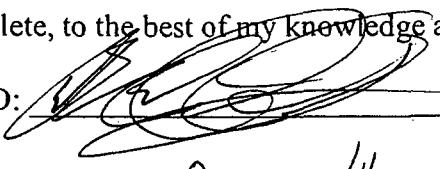
Misc. notes:

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 16	51/74	NNE WIND 4 MPH/GUST 5 MPH, NO PRECIPITATION
Monday 17	53/71	SW WIND 6 MPH/GUST 8 MPH, NO PRECIPITATION
Tuesday 18	53/65	SSW WIND 6 MPH/GUST 8 MPH, PRECIP. AFTERNOON 0.12"
Wednesday 19	46/66	NNW WIND 6 MPH/GUST 8 MPH, PRECIP. AFTERNOON 0.16"
Thursday 20	44/58	SSW WIND 7 MPH/GUST 10 MPH, PRECIP. SCATTERED 0.1"
Friday 21	45/64	S WIND 6 MPH/GUST 7 MPH, PRECIP. EVE. 1.2"
Saturday 22	45/64	SW WIND 7 MPH/GUST 9 MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 5/24/10

SIGNED: 

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT / HEALTH & SAFETY OFFICER

Point
Ruston

Weekly Site Inspection Report No. 2010-0523
 Week of 5/23 - 29, 2010 Inspector Tim Rusher
 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION		NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates: <i>S/S & STAINLESS</i>				
North (electric)	(G)	F	P	Y (N)
South (electric)	(G)	F	P	Y (N)
Pond	(G)	F	P	Y (N)
Peninsula	(G)	F	P	Y (N)
<i>SYN ST. (Other) ELECT.</i>	(G)	F	P	Y (N)
Signage:				
Gates	(G)	F	P	Y (N)
Perimeter	(G)	F	P	Y (N)
Safety	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
Public Streets:				
Ruston Way	(G)	F	P	Y (N)
51 st & Gallagher	(G)	F	P	Y (N)
Stack Hill	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
BMPs:				
Berms	(G)	F	P	Y (N)
Waddles	(G)	F	P	Y (N)
Silt Fence	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
Strom drains clean:				
Lower Site	(G)	F	P	Y (N)
Stack Hill	(G)	F	P	Y (N)
Stockpiles:				
Envirotac II	(G)	F	P	Y (N)
Plastic	(G)	F	P	Y (N)
Packed	(G)	F	P	Y (N)
Grass	G	F	P	Y N
Dust:				
Traffic areas	(G)	F	P	Y (N)
Excavation area	(G)	F	P	Y (N)
(Other)	G	F	P	Y N
Fencing:				
Site Perimeter	(G)	F	P	Y (N)
Zone Separation	(G)	F	P	Y (N)
(Other)	G	F	P	Y N

Weekly Site Inspection Report No. 2010-0523
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			NEED REPAIR?	COMMENTS/OBSERVATIONS
Docks:					
Barriers	(G)	F	P	Y	(N)
Signs	(G)	F	P	Y	(N)
(Other)	G	F	P	Y	N
Cameras:					
Stacktill	(G)	F	P	Y	(N)
Lower Site	G	F	(P)	(Y)	N
	G	F	P	Y	N
Health & Safety Plans:					V.5 SUBMITTED FOR REVIEW & COMMENTS
Site Superintendent	G	F	P	Y	N
Construction Super.	G	F	P	Y	N
Other	G	F	P	Y	N

G=Good F=Fair P=Poor Y=Yes N=No

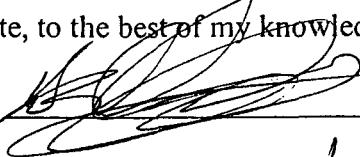
Misc. notes:

WEATHER:

Day of Week	LOW/HIGH	Summary of Weather Conditions
Sunday 23	45/63	SW WIND 7MPH/GUST 10MPH, NO PRECIPITATION
Monday 24	44/65	SW WIND 5MPH/GUST 7MPH, NO PRECIPITATION
Tuesday 25	51/60	S WIND 5MPH/GUST 6MPH, PRECIP. EVE. 0.08"
Wednesday 26	47/60	SW WIND 5MPH/GUST 7MPH, PRECIP. AFTERNOON 0.8"
Thursday 27	46/62	NE WIND 5MPH/GUST 6MPH, NO PRECIPITATION
Friday 28	51/54	SW WIND 7MPH/GUST 12MPH, PRECIP. MORNING & AFTERNOON 0.12"
Saturday 29	48/60	SW WIND 7MPH/GUST 10MPH, NO PRECIPITATION

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

DATE: 6/1/10

SIGNED: 

Title/Qualification of Inspector: CONSTRUCTION OVERSIGHT/HEALTH & SAFETY OFFICER

Table 1. Summary of May 2010 Outfall Data for As, Cu, and Zn Compared to SOW Limit

Location	As Conc. ppm	% of SOW Limit*	Cu Conc. ppm	% of SOW Limit*	Zn Conc. ppm	% of SOW Limit*
South Outfall	0.052	10.30%	0.010	2.00%	0.010	2.00%
OSW2	0.045	8.95%	0.003	0.50%	0.003	0.50%
North Outfall	0.015	3.00%	0.000	0.00%	0.000	0.00%

* 0.5 ppm is the limit of As, Cu, and Zn allowed as documented in the SOW.



ENERGY LABORATORIES, INC. * 1120 S 27th St * PO Box 30916 * Billings, MT 59107-0916
Toll Free 800.735.4489 * 406.252.6325 * FAX 406.252.6069 * eli@energylab.com

ANALYTICAL SUMMARY REPORT

June 10, 2010

Tim Rusher
Point Ruston LLC
5219 N Shirley St Ste 100
Ruston, WA 98407-6599

Workorder No.: B10060269

Project Name: Tacoma Smelter Outfall Samples

Energy Laboratories Inc received the following 12 samples for Point Ruston LLC on 6/2/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B10060269-001	TSM0510410, North	05/10/10 9:08	06/02/10	Aqueous	Metals by ICP/ICPMS, Total Metals Preparation by EPA 200.2
B10060269-002	TSM0510110, South	05/10/10 8:57	06/02/10	Aqueous	Same As Above
B10060269-003	TSM0510210, OSW	05/10/10 8:58	06/02/10	Aqueous	Same As Above
B10060269-004	TSM0510417, North	05/17/10 8:47	06/02/10	Aqueous	Same As Above
B10060269-005	TSM0510117, South	05/17/10 8:33	06/02/10	Aqueous	Same As Above
B10060269-006	TSM0510217, OSW	05/17/10 8:35	06/02/10	Aqueous	Same As Above
B10060269-007	TSM0510424, North	05/24/10 9:39	06/02/10	Aqueous	Same As Above
B10060269-008	TSM0510124, South	05/24/10 9:27	06/02/10	Aqueous	Same As Above
B10060269-009	TSM0510224, OSW	05/24/10 9:28	06/02/10	Aqueous	Same As Above
B10060269-010	TSM0610401, North	06/01/10 12:38	06/02/10	Aqueous	Same As Above
B10060269-011	TSM0610101, South	06/01/10 12:23	06/02/10	Aqueous	Same As Above
B10060269-012	TSM0610201, OSW	06/01/10 12:24	06/02/10	Aqueous	Same As Above

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By: 
Supervisor, Wet Chemistry

Digitally signed by
Keri Conter
Date: 2010.06.11 09:29:19 -06:00



ENERGY LABORATORIES, INC. * 1120 S 27th St * PO Box 30916 * Billings, MT 59107-0916
Toll Free 800.735.4489 * 406.252.6325 * FAX 406.252.6069 * eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-001
Client Sample ID TSM0510410, North

Report Date: 06/10/10
Collection Date: 05/10/10 09:08
Date Received: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.015	mg/L		0.005		E200.8	06/05/10 15:39 / tao
Copper	ND	mg/L		0.01		E200.8	06/05/10 15:39 / tao
Zinc	ND	mg/L		0.01		E200.8	06/05/10 15:39 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-002
Client Sample ID TSM0510110, South

Report Date: 06/10/10
Collection Date: 05/10/10 08:57
DateReceived: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.048	mg/L		0.005	E200.8		06/05/10 15:59 / tao
Copper	0.01	mg/L		0.01	E200.8		06/05/10 15:59 / tao
Zinc	0.01	mg/L		0.01	E200.8		06/05/10 15:59 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-003
Client Sample ID TSM0510210, OSW

Report Date: 06/10/10
Collection Date: 05/10/10 08:58
Date Received: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.056	mg/L		0.005	E200.8		06/07/10 19:37 / jjw
Copper	0.01	mg/L		0.01	E200.8		06/07/10 19:37 / jjw
Zinc	0.01	mg/L		0.01	E200.8		06/07/10 19:37 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-004
Client Sample ID TSM0510417, North

Report Date: 06/10/10
Collection Date: 05/17/10 08:47
Date Received: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.014	mg/L		0.005	E200.8		06/07/10 19:41 / jjw
Copper	ND	mg/L		0.01	E200.8		06/07/10 19:41 / jjw
Zinc	ND	mg/L		0.01	E200.8		06/07/10 19:41 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-005
Client Sample ID TSM0510117, South

Report Date: 06/10/10
Collection Date: 05/17/10 08:33
Date Received: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.050	mg/L		0.005	E200.8		06/05/10 16:03 / tao
Copper	0.01	mg/L		0.01	E200.8		06/05/10 16:03 / tao
Zinc	ND	mg/L		0.01	E200.8		06/05/10 16:03 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-006
Client Sample ID TSM0510217, OSW

Report Date: 06/10/10
Collection Date: 05/17/10 08:35
Date Received: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.046	mg/L		0.005	E200.8		06/07/10 19:45 / jjw
Copper	ND	mg/L		0.01	E200.8		06/07/10 19:45 / jjw
Zinc	ND	mg/L		0.01	E200.8		06/07/10 19:45 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-007
Client Sample ID TSM0510424, North

Report Date: 06/10/10
Collection Date: 05/24/10 09:39
DateReceived: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.015	mg/L		0.005	E200.8		06/07/10 20:05 / jjw
Copper	ND	mg/L		0.01	E200.8		06/07/10 20:05 / jjw
Zinc	ND	mg/L		0.01	E200.8		06/07/10 20:05 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-008
Client Sample ID TSM0510124, South

Report Date: 06/10/10
Collection Date: 05/24/10 09:27
DateReceived: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.052	mg/L		0.005	E200.8		06/05/10 16:07 / tao
Copper	0.01	mg/L		0.01	E200.8		06/05/10 16:07 / tao
Zinc	0.02	mg/L		0.01	E200.8		06/05/10 16:07 / tao

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-009
Client Sample ID TSM0510224, OSW

Report Date: 06/10/10
Collection Date: 05/24/10 09:28
Date Received: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.038	mg/L		0.005	E200.8		06/07/10 20:09 / jjw
Copper	ND	mg/L		0.01	E200.8		06/07/10 20:09 / jjw
Zinc	ND	mg/L		0.01	E200.8		06/07/10 20:09 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-010
Client Sample ID TSM0610401, North

Report Date: 06/10/10
Collection Date: 06/01/10 12:38
Date Received: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.016	mg/L		0.005	E200.8		06/05/10 16:27 / tao
Copper	ND	mg/L		0.01	E200.8		06/05/10 16:27 / tao
Zinc	ND	mg/L		0.01	E200.8		06/05/10 16:27 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-011
Client Sample ID TSM0610101, South

Report Date: 06/10/10
Collection Date: 06/01/10 12:23
DateReceived: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.056	mg/L		0.005	E200.8		06/07/10 20:13 / jjw
Copper	0.01	mg/L		0.01	E200.8		06/07/10 20:13 / jjw
Zinc	0.01	mg/L		0.01	E200.8		06/07/10 20:13 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Point Ruston LLC
Project: Tacoma Smelter Outfall Samples
Lab ID: B10060269-012
Client Sample ID TSM0610201, OSW

Report Date: 06/10/10
Collection Date: 06/01/10 12:24
Date Received: 06/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Arsenic	0.039	mg/L		0.005	E200.8		06/07/10 20:17 / jjw
Copper	ND	mg/L		0.01	E200.8		06/07/10 20:17 / jjw
Zinc	ND	mg/L		0.01	E200.8		06/07/10 20:17 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Point Ruston LLC

Report Date: 06/10/10

Project: Tacoma Smelter Outfall Samples

Work Order: B10060269

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8	Analytical Run: ICPMS202-B_100604A								
Sample ID: QCS - 090929A,100420A, Initial Calibration Verification Standard	06/05/10 09:46								
Arsenic	0.0488	mg/L	0.0050	98	90	110			
Copper	0.0504	mg/L	0.010	101	90	110			
Zinc	0.0498	mg/L	0.010	100	90	110			
Method: E200.8	Batch: R148689								
Sample ID: LRB	Run: ICPMS202-B_100604A 06/04/10 17:30								
Arsenic	ND	mg/L	3E-05						
Copper	ND	mg/L	8E-05						
Zinc	0.0003	mg/L	0.0001						
Sample ID: LFB	Run: ICPMS202-B_100604A 06/04/10 17:34								
Arsenic	0.0489	mg/L	0.0050	98	85	115			
Copper	0.0523	mg/L	0.010	105	85	115			
Zinc	0.0510	mg/L	0.010	101	85	115			
Sample ID: B10060269-001AMS	Run: ICPMS202-B_100604A 06/05/10 15:43								
Arsenic	0.0672	mg/L	0.0050	105	70	130			
Copper	0.0620	mg/L	0.010	106	70	130			
Zinc	0.0784	mg/L	0.010	146	70	130			S
Sample ID: B10060269-001AMSD	Run: ICPMS202-B_100604A 06/05/10 15:47								
Arsenic	0.0683	mg/L	0.0050	107	70	130	1.6	20	
Copper	0.0631	mg/L	0.010	109	70	130	1.7	20	
Zinc	0.0602	mg/L	0.010	110	70	130	26	20	R
Sample ID: B10060440-019AMS	Run: ICPMS202-B_100604A 06/05/10 16:59								
Arsenic	0.345	mg/L	0.0050	127	70	130			
Copper	0.296	mg/L	0.010	114	70	130			
Zinc	0.279	mg/L	0.010	108	70	130			
Sample ID: B10060440-019AMSD	Run: ICPMS202-B_100604A 06/05/10 17:03								
Arsenic	0.340	mg/L	0.0050	125	70	130	1.3	20	
Copper	0.296	mg/L	0.010	114	70	130	0.2	20	
Zinc	0.275	mg/L	0.010	106	70	130	1.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: Point Ruston LLC

Report Date: 06/10/10

Project: Tacoma Smelter Outfall Samples

Work Order: B10060269

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8	Analytical Run: ICPMS202-B_100607A								
Sample ID: QCS - 100607A,100420A, Initial Calibration Verification Standard	06/07/10 11:33								
Arsenic	0.0500	mg/L	0.0050	100	90	110			
Copper	0.0522	mg/L	0.010	104	90	110			
Zinc	0.0508	mg/L	0.010	102	90	110			
Method: E200.8	Batch: 46696								
Sample ID: MB-46696	Method Blank				Run: ICPMS202-B_100607A				06/07/10 19:06
Arsenic	ND	mg/L		5E-05					
Copper	0.0002	mg/L		3E-05					
Zinc	0.002	mg/L		0.0001					
Sample ID: LCS5-46696	Laboratory Control Sample				Run: ICPMS202-B_100607A				06/07/10 19:12
Arsenic	0.484	mg/L	0.0050	97	85	115			
Copper	0.449	mg/L	0.010	90	85	115			
Zinc	0.476	mg/L	0.010	95	85	115			
Sample ID: B10060254-016BMS3	Sample Matrix Spike				Run: ICPMS202-B_100607A				06/07/10 19:16
Arsenic	0.477	mg/L	0.0050	95	70	130			
Copper	0.474	mg/L	0.010	94	70	130			
Zinc	0.484	mg/L	0.010	96	70	130			
Sample ID: B10060254-016BMSD3	Sample Matrix Spike Duplicate				Run: ICPMS202-B_100607A				06/07/10 19:20
Arsenic	0.482	mg/L	0.0050	96	70	130	1	20	
Copper	0.478	mg/L	0.010	95	70	130	0.8	20	
Zinc	0.488	mg/L	0.010	96	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Workorder Receipt Checklist



Point Ruston LLC

B10060269

Login completed by: Jill M. Lippard

Date Received: 6/2/2010

Reviewed by: BL2000\kmcdonald

Received by: Ig

Reviewed Date: 6/3/2010

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	14°C On Ice		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

None

**POINT
RUSTON**

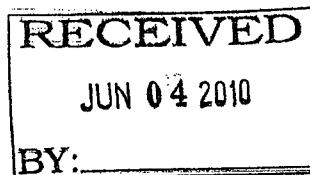
5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

PROJ. NO	PROJECT NAME				NO. OF CONTAINERS	REMARKS
TACOMA Smelter	OUTFALL SAMPLES					
SAMPLERS: (Signature)					JR	
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER	
5/10/10	NORTH	9:08	✓		TSM 0510410	1 ✓ B100000269-1
5/10/10	SOUTH	8:57	✓		TSM 0510110	1 ✓ -2
5/10/10	OSW	8:58	✓		TSM 051020	1 ✓ -3 PLEASE EMAIL RESULTS TO:
5/17/10	NORTH	8:47	✓		TSM 0510417	1 ✓ -4 Tim.a@POINTRUSTON.com
5/17/10	SOUTH	8:33	✓		TSM 0510117	1 ✓ -5
5/17/10	OSW	8:35	✓		TSM 0510217	1 ✓ -6
5/24/10	NORTH	9:39	✓		TSM 0510424	1 ✓ -7
5/24/10	SOUTH	9:27	✓		TSM 0510124	1 ✓ -8
5/24/10	OSW	9:28	✓		TSM 0510224	1 ✓ -9
6/1/10	NORTH	12:38	✓		TSM 0610401	1 ✓ -10
6/1/10	SOUTH	12:23	✓		TSM 0610101	1 ✓ -11
6/1/10	OSW	12:24	✓		TSM 0610201	1 ✓ -12
THANK YOU						
Relinquished (Signature)	Date/Time		Received by: (Signature)		Lab	Shipped via: <u>FEDEX</u> UPS or Other Air Bill #
5/1/10 FEDEX						
Relinquished (Signature)	Date/Time		Received by: (Signature)		Remarks	
Relinquished (Signature)	Date/Time		Received for Laboratory by: (Signature)		Date/Time	Enclosed:
		Ami Banche		6-2-10 9:30	<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter	
				Split Samples: [] Accepted [] Declined		
						Signature

SPECTRA Laboratories

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com



06/02/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/11/2010
Spectra Project: 2010050225

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8293645	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/06/2010
8293645	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/06/2010
8293644	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/06/2010
8293644	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/06/2010
8293643	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/06/2010
8293643	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/06/2010
8293641	4	Arsenic	0.07	µg/m3	SW846 6010B	Filter	05/07/2010
8293641	4	Lead	0.07	µg/m3	SW846 6010B	Filter	05/07/2010
8293640	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/07/2010
8293640	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/07/2010
8293639	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/07/2010
8293639	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/07/2010
8293638	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/08/2010
8293638	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/08/2010
8293637	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/08/2010
8293637	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/08/2010

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager
a8/mlh



SPECTRA Laboratories

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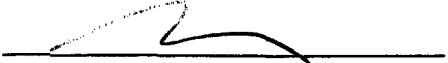
06/02/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (hi-vol)
Date Received: 05/11/2010
Spectra Project: 2010050225

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8293636	9	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/08/2010
8293636	9	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/08/2010
8293642	10	Arsenic	< 0.05	µg/m ³	SW846 6010B	Filter	05/07/2010
8293642	10	Lead	< 0.05	µg/m ³	SW846 6010B	Filter	05/07/2010

SPECTRA LABORATORIES



Steve Hibbs, Laboratory Manager
a8/mlh

CHAIN OF CUSTODY RECORD

**POINT
RUSTON**

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083

2010050225

PROJ. NO	PROJECT NAME		NO. OF CONTAINERS	REMARKS								
AIR MONITORING	POINT RUSTON, LLC HI-VOL											SG
SAMPLERS: (Signature)	<i>John D. Ruston</i>											
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER							
5/10/10	SG		✓		8293645		1	✓				
5/10/10	OCF-VI		✓		8293644		1	✓				
5/10/10	OCF-NW		✓		8293643		1	✓				
5/11/10	SG		✓		8293641		1	✓				
5/11/10	OCF-VI		✓		8293640		1	✓				
5/11/10	OCF-NW		✓		8293639		1	✓				
5/11/10	SG		✓		8293638		1	✓				
5/11/10	OCF-VI		✓		8293637		1	✓				
5/11/10	OCF-NW		✓		8293636		1	✓				
5/11/10	CONTROL		✓		8293642		1	✓				
5/11/10					Hi-VOLUME SAMPLER LOG		1 PAGE					C,F,M DATA FOR LISTED FILTERS
Relinquished (Signature) <i>John D. Ruston</i>				Date/Time	Received by: (Signature) <i>Karen L. Koenigsknecht</i>		Lab 05/11 12:16 Spectra	Shipped via: FedEx, UPS or Other <i>Drop off</i>		Air Bill #		
Relinquished (Signature)				Date/Time	Received by: (Signature)		Remarks					
Relinquished (Signature)				Date/Time	Received for Laboratory by: (Signature)		Date/Time	Enclosed:				
								<input type="checkbox"/>	Parameter List with DTLs			
								<input type="checkbox"/>	Cover Letter			
Split Samples: []Accepted []Declined _____												
Signature _____												



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05/28/2010

Point Ruston
5219 N. Shirley St.,
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Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 05/17/2010
Spectra Project: 2010050335

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8293635	1	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/10/2010
8293635	1	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/10/2010
8293634	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/10/2010
8293634	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/10/2010
8293633	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/10/2010
8293633	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/10/2010
8293632	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/11/2010
8293632	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/11/2010
8293631	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/11/2010
8293631	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/11/2010
8293630	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/11/2010
8293630	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/11/2010
8293629	7	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/12/2010
8293629	7	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/12/2010
8293628	8	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/12/2010
8293628	8	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/12/2010

SPECTRA LABORATORIES


Steve Hibbs, Laboratory Manager

a8/scj

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05/28/2010

Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 05/17/2010
Spectra Project: 2010050335

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8293627	9	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/12/2010
8293627	9	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/12/2010
8293626	10	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/13/2010
8293626	10	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/13/2010
8293625	11	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/13/2010
8293625	11	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/13/2010
8293624	12	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/13/2010
8293624	12	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/13/2010
8293623	13	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/14/2010
8293623	13	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/14/2010
8293622	14	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/14/2010
8293622	14	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/14/2010
8293621	15	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/14/2010
8293621	15	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/14/2010
8293619	16	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/15/2010
8293619	16	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/15/2010

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Steve Hibbs, Laboratory Manager
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05/28/2010

Point Ruston
5219 N. Shirley St.,
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Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 05/17/2010
Spectra Project: 2010050335

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8293618	17	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/15/2010
8293618	17	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/15/2010
8293617	18	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/15/2010
8293617	18	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/15/2010
8293620	19	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/14/2010
8293620	19	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/14/2010

SPECTRA LABORATORIES

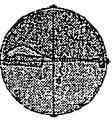


Steve Hibbs, Laboratory Manager
a8/scj

CHAIN OF CUSTODY RECORD

**POINT
RUSTON**

5219 N. Shirley St., Suite 100 • Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



2010050335

PROJ. NO	PROJECT NAME				NO. OF CONTAINERS	REMARKS							
AIR MONITORING	POINT RUSTON, LLC		Hi-VOL									R	
SAMPLERS (Signature)	<i>Tim Dush</i>												
DATE	STA #	TIME	COMP	GRAB	SAMPLE NUMBER								
5/10/10	SG		✓		8293635	1	✓						
5/10/10	OCF-VI		✓		8293634	1	✓						
5/10/10	OCF-NW		✓		8293633	1	✓						
5/11/10	SG		✓		8293632	1	✓						
5/11/10	OCF-VI		✓		8293631	1	✓						
5/11/10	OCF-NW		✓		8293630	1	✓						
5/12/10	SG		✓		8293629	1	✓						
5/12/10	OCF-VI		✓		8293628	1	✓						
5/12/10	OCF-NW		✓		8293627	1	✓						
5/13/10	SG		✓		8293626	1	✓						
5/13/10	OCF-VI		✓		8293625	1	✓						
5/13/10	OCF-NW		✓		8293624	1	✓						
5/14/10	SG		✓		8293623	1	✓						
5/14/10	OCF-VI		✓		8293622	1	✓						
5/14/10	OCF-NW		✓		8293621	1	✓						
Relinquished (Signature) <i>Tim Dush</i>				Date/Time	Received by: (Signature) <i>Bethel</i>	05/17/10 250p	Lab Spectra	Shipped via: FedEx, UPS or Other <i>DROP OFF</i> Air Bill #					
Relinquished (Signature)				Date/Time	Received by: (Signature)	Remarks							
Relinquished (Signature)				Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed:						
							<input type="checkbox"/> Parameter List with DTLs						
							<input type="checkbox"/> Cover Letter						
Split Samples: []Accepted []Declined _____										Signature			

CHAIN OF CUSTODY RECORD



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2010050335

PROJ. NO <i>AIR MONITORING</i>	PROJECT NAME <i>POINT RUSTON, LLC (Hi-VOL)</i>					NO. OF CONTAINERS <i>AS + PD</i>	REMARKS	
SAMPLERS: (Signature) <i>John Runk</i>	DATE	STA #	TIME	COMP	GRAB			SAMPLE NUMBER
5/15/10	SG			✓		8293619	1 ✓	
5/15/10	CCF-VI			✓		8293618	1 ✓	
5/15/10	CCF-NW			✓		8293617	1 ✓	
5/14/10	CONTROL			✓		8293620	1 ✓	
5/17/10	Hi-VOLUME SAMPLER LOG					1 PAGE	GFM. DATA FOR LISTED FILTERS	
Relinquished (Signature) <i>John Runk</i>	Date/Time	Received by: (Signature) <i>B. Nichols</i>			05/17/10 3:50P	Lab <i>Spectra</i>	Shipped via: FedEx, UPS or Other <i>DROP OFF</i>	Air Bill # <i>_____</i>
Relinquished (Signature)	Date/Time	Received by: (Signature)			Remarks			
Relinquished (Signature)	Date/Time	Received for Laboratory by: (Signature)			Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter		
					Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined _____			

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Point Ruston
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Suite 100
Tacoma, WA 98407

Project: Air Monitoring (Hi-Vol)
Date Received: 05/24/2010
Spectra Project: 2010050522

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Matrix</u>	<u>Date Sampled</u>
8293616	1	Arsenic	0.05	µg/m3	SW846 6010B	Filter	05/17/2010
8293616	1	Lead	0.06	µg/m3	SW846 6010B	Filter	05/17/2010
8293614	2	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/17/2010
8293614	2	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/17/2010
8293615	3	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/17/2010
8293615	3	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/17/2010
8293613	4	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/21/2010
8293613	4	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/21/2010
8293612	5	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/21/2010
8293612	5	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/21/2010
8293611	6	Arsenic	< 0.05	µg/m3	SW846 6010B	Filter	05/21/2010
8293611	6	Lead	< 0.05	µg/m3	SW846 6010B	Filter	05/21/2010

SPECTRA LABORATORIES

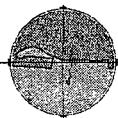
Steve Hibbs, Laboratory Manager
a8/scj

CHAIN OF CUSTODY RECORD

2010050522

POINT RUSTON

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



PROJ. NO		PROJECT NAME		NO. OF CONTAINERS	REMARKS		
AIR MONITORING		PRINT RUSTON, LLC Hi-VOL					
SAMPLERS (Signature)		<i>John Rank Jr.</i>					
DATE	STA #	TIME	COMP			GRAB	SAMPLE NUMBER
5/17/10	SG		✓				8293616
5/17/10	CF-VI		✓				8293614
5/17/10	CF-MM		✓				8293615
5/21/10	SG		✓				8293613
5/21/10	CF-VI		✓				8293612
5/21/10	CF-MM		✓		8293611		
<p><i>5/24/10</i> Hi-VOLUME SAMPLER LOG 1 PAGE C.F.M. DATA FOR LISTED FILTERS</p>							
Relinquished (Signature)		Date/Time	Received by: (Signature)	Lab	Shipped via: FedEx, UPS or Other <i>PROP OFF</i> Air Bill #		
<i>John Rank Jr.</i>		5-24-10 2:05	<i>Hal Ross</i>				
Relinquished (Signature)		Date/Time	Received by: (Signature)	Remarks			
Relinquished (Signature)		Date/Time	Received for Laboratory by: (Signature)	Date/Time	Enclosed:		
					<input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter		
Split Samples: []Accepted []Declined _____ Signature							

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Point Ruston
5219 N. Shirley St.,
Suite 100
Tacoma, WA 98407

Project: 9000/91 Ferry Struts
Sample Matrix: Air Cassette
Date Sampled: 05/13/2010
Date Received: 05/14/2010
Spectra Project: 2010050327

<u>Client ID</u>	<u>Spectra #</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>
051310-123A	1	Arsenic	0.52	µg/m3	SW846 6020A
051310-123A	1	Lead	0.68	µg/m3	SW846 6020A
051310-123B	2	Arsenic	7.9	µg/m3	SW846 6020A
051310-123B	2	Lead	5.3	µg/m3	SW846 6020A
051310-646A	3	Arsenic	0.08	µg/m3	SW846 6020A
051310-646A	3	Lead	0.08	µg/m3	SW846 6020A
051310-646B	4	Arsenic	0.35	µg/m3	SW846 6020A
051310-646B	4	Lead	3.3	µg/m3	SW846 6020A

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

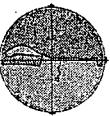
a7/scj

Page 1 of 1

CHAIN OF CUSTODY RECORD

**POINT
RUSTON**

5219 N. Shirley St., Suite 100 Tacoma, WA 98407
Phone: 253-752-2185 Fax: 253-752-7083



2010050327

PROJ. NO <i>9000/91</i>		PROJECT NAME <i>FERRY STRUTS</i>		NO. OF CONTAINERS <i>AS Pb S O₂ T₄₀₀</i>	REMARKS					
SAMPLERS (Signature) <i>[Signature]</i>		DATE	STA #			TIME	COMP	GRAB	SAMPLE NUMBER	
5/13/10					✓		051310-123 A	1 ✓ ✓	ING/FILTER PRECISION	
5/13/10					✓		051310-123 B	1 ✓ ✓		
5/13/10					✓		051310-646 A	1 ✓ ✓	↓	
5/13/10					✓		051310-646 B	1 ✓ ✓	↓	
										PLEASE EMAIL RESULTS TO: <i>TIM@POINTRUSTON.COM</i>
Relinquished (Signature) <i>Ruk</i>		Date/Time <i>5-14-10 2:52</i>		Received by: (Signature) <i>Hal Kop</i>		Lab <i>Spectra</i>		Shipped via FedEx, UPS or Other <i>DROP OFF</i>		
Relinquished (Signature)		Date/Time		Received by: (Signature)		Remarks				
Relinquished (Signature)		Date/Time		Received for Laboratory by: (Signature)		Date/Time	Enclosed: <input type="checkbox"/> Parameter List with DTLs <input type="checkbox"/> Cover Letter			
							Split Samples: <input type="checkbox"/> Accepted <input type="checkbox"/> Declined _____			
<i>Signature</i>										